

LOUISIANA HAZARDOUS WASTE FACILITY SITING PROVISIONS

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The State Implementing Agency

Louisiana Department of Environmental Quality <http://www.deq.state.la.us/welcome.htm>

- G** The Office of Waste Services within Louisiana Department of Environmental Quality is responsible for the implementation and management of individual programs designed to ensure fair and conscientious management of Louisiana's environmental resources.

Relevant Statutes and Regulations:

- G** Louisiana Statutes Annotated, Revised Statutes, Subtitle II of Title 30, Louisiana Environmental Quality Act, as amended through 1989. Title 30 (30:2001 to 30:2566) is available electronically at <http://www.deq.state.la.us/olae/irdd/eqa.pdf>
- G** Louisiana Administrative Code (LAC), Title 33, Environmental Quality, Part V, Hazardous Materials and Hazardous Waste, Edited and Compiled through December 1994 (last amended October 1994). Chapter 7 of this part (33:V.717 to 33:V.721) is electronically available at <http://www.deq.state.la.us/olae/irdd/title33/p05c0701.pdf>

- G Program Description, LDEQ Hazardous Waste Division.
- G "IT Decision" (Louisiana Supreme Court decision in the *Save Ourselves Inc., et al., vs. Louisiana Environmental Control Commission and The Louisiana Department of Natural Resources*), 452 So. 2d 1152 (La. 1984) in *Permitting Procedures Manual*, LDEQ.
- G Kucharski, William A. LDEQ, *Environmental Justice Initiatives Along Louisiana's Mississippi River Corridor*, Paper presented at the Eighth Annual Conference on Contaminated Soils, University of Massachusetts at Amherst, September 23, 1993.
- G Kucharski, William A. (August 24, 1994). *Final Report to the Louisiana Legislature on Environmental Justice*.

Other Relevant Regulations:

- G Code of Federal Regulations (CFR), Title 40

Affected Facilities:

- G Hazardous waste disposal facilities (definitely applies to new facilities; existing facilities not specifically identified).
- G New commercial facilities.

Definitions of Facility Types:

- G **New Hazardous waste management facility or new facility** - a facility which began operation, or for which construction commenced after August 1, 1979.
- G **Existing facilities** - hazardous waste facilities in operation or under construction on or before August 1, 1979.
- G **Commercial facility** - a hazardous waste treatment, storage or disposal facility which receives, treats, stores or disposes of waste for a fee or other consideration.

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ADMINISTRATION			
STATE ADMINISTERING AGENCY			
The Department of Environmental Quality (LDEQ)		<i>[30:2011.A(1)]</i>	The Louisiana Department of Environmental Quality (LDEQ) is the primary agency concerned with environmental protection and quality.
Appointment and Structure of the Department		<i>[30:2011.B]</i> <i>[30:2011.C]</i> PD, Section III	<p>! The department is headed by a secretary, appointed by the governor with the consent of the Senate. The secretary serves at the pleasure of the governor.</p> <ul style="list-style-type: none"> - The secretary is responsible for the policies, administration, control and operation of the functions, programs and affairs of the Department of Environmental Quality. <p><i>Note that the State uses the term "Administrative Authority" interchangeably with the term "Secretary" in its regulations (PD, Section III.A. Note).</i></p> <p>! A deputy secretary is appointed by the secretary with the consent of the Senate.</p> <ul style="list-style-type: none"> - The duties and functions of the deputy secretary are determined and assigned by the secretary. If appointed, the deputy secretary can serve as acting secretary in the absence of the secretary. <p>! An undersecretary, appointed by the governor with the consent of the Senate, is responsible to, and performs his functions under, the supervision and control of the secretary.</p> <ul style="list-style-type: none"> - The undersecretary is responsible for the functions of the Office of Management and Finance of the Department of LDEQ. <p>! The department is divided into offices, with each office under the immediate supervision and direction of an assistant secretary who is appointed by the governor with the consent of the Senate.</p>

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The Office of Solid and Hazardous Waste		<i>[30:2011.B]</i> <i>[30:2011.C]</i> PD, Section III	<p>! The Office of Solid and Hazardous Waste administers and enforces:</p> <ul style="list-style-type: none"> - the Louisiana Solid Waste Management and Resource Recovery Law as provided in Chapter 8 of Title 30, Subtitle II; - the Louisiana Hazardous Waste Control Law as provided in Chapter 9 of Title 30, Subtitle II; and - the Louisiana Resource Recovery and Development Law as provided in Chapter 14 of Title 30, Subtitle II.

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LOCAL COMMUNITY NEEDS AND INVOLVEMENT			
LOCAL REVIEW/INVOLVEMENT			
Permit review by the public	PA	33:V.703.A	Upon acceptance of an application for review, the administrative authority will distribute copies of the application for review and comment to the public (filed with local libraries or other public facility).
OTHER AGENCY OR GOVERNMENTAL ENTITY INVOLVEMENT			
Conformity with Existing Restrictions of other State agencies	PA	33:V.1503.B.5	<p>! Sites located in floodways or wetland under the control of the U.S. Army Corps of Engineers and/or the Coastal Zone Management Office must apply for applicable permits.</p> <p>! The department may accept and process the application with its final approval dependent upon a similar approval. Final department action on such a state permit will be taken after final action on wetlands and coastal zone permits.</p>
Permit evaluation by other State Agencies	PA	33:V.703.A	<p>Upon acceptance of an application for review, the administrative authority will distribute copies of the application for review and comment to:</p> <ul style="list-style-type: none"> - Water Pollution Division, - Air Quality Division, - Department of Health and Human Resources, - Office of Health Services and Environmental Quality, - Department of Wildlife and Fisheries, - Office of Public Works of the Department of Transportation and Development; or - the successors of any of the above.

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Permit evaluation by local governing authorities	PA	33:V.703.A	Upon acceptance of an application for review, the administrative authority will distribute copies of the application for review and comment to: <ul style="list-style-type: none"> - local governing authorities of any municipality and - parish within whose territorial jurisdiction the facility or activity is located.
COMPATIBILITY OF FACILITY SITE WITH LOCAL SOLID WASTE MANAGEMENT PLANS			
No provisions found			
IMPACT OF FACILITY ON LOCAL LAND USE			
Local zoning ordinances	PA	33:V.703.B.1.	In conducting its review of the application, the administrative authority will consider site suitability with respect to local zoning ordinances .
Alternate site assessment: zoning and existing land use	PA	"IT Decision" Questions, p. 49	As part of the assessment to determine whether alternative sites would offer more protection to the environment than the proposed site, the permittee is required to consider the zoning and existing land use of the prospective site and nearby area, including: <ul style="list-style-type: none"> - the proximity of the site to existing heavy industrial, chemical process or refinery operations; - the precedent for chemical contamination near the site (are the soil and water pristine?); - the aesthetic beauty of the site area.
The Secretary assesses impact of proposed facility on environment	PA	<i>[30:2178.A]</i>	The secretary shall assess the impact of the location of the facility on the citizens in the surrounding area, the local infrastructure, and on the environment.

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Potential and real adverse environmental effects	PA	"IT Decision" Questions, pp. 44-45	<p>The permittee is required to identify potential and real adverse environmental effects of the proposed facility by assessing:</p> <p>! Potential environmental impacts based on:</p> <ul style="list-style-type: none"> - wastes to be handled (classes of chemicals, quantities, physical and chemical characteristics, and hazardous waste classification); - how wastes will be handled (treatment, storage, disposal); - source of waste (type and percentage of wastes generated onsite and offsite); - shipment of wastes; and - what wastes will remain permanently on site. <p>! Real adverse environmental impacts of the proposed facility:</p> <ul style="list-style-type: none"> - short-term effects (e.g. land area taken out of the system) and - long-term effects.
Local infrastructure assessment report; assessment criteria	PA	[30:2178.B.2]	<p>The secretary shall prepare a report that includes a determination of whether:</p> <ul style="list-style-type: none"> (a) the area is environmentally sensitive (possible reasons: wetlands, proximity to wildlife management are; proximity to aquifer recharge zone) (b) the area poses undue health risks because of potential human exposure (possible reasons: proximity to schools or day care centers; hospitals or nursing homes; or facility or structure used to store human or animal foodstuffs) (c) siting of a facility may preclude the economic development of the area because of undue risk. <p>The report may propose alternate siting for the facility and propose actions to mitigate any infrastructure deficiencies found in the report.</p>

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Capacity Assurance	PA	<i>[30:2179.B(4)]</i>	The secretary shall not issue any permits or licenses for the handling, treatment, destruction, and disposal of solid or hazardous waste which would increase the total permitted capacity of Louisiana to manage or dispose of such waste in an amount in excess of 15 percent greater than the necessary total permitted capacity of the State as determined by the secretary pursuant to §30.2179.B(1).

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PUBLIC PARTICIPATION			
Federal regulations regarding the public participation process for the permitting of hazardous waste (RCRA) facilities can be viewed at http://earth1.epa.gov/epacfr40/chapt-I.info/subch-D/40P0124.pdf within the Part 124 Procedures for Decisionmaking. (State regulations cannot be less stringent than the federal counterparts.)			
NOTIFICATION			
Public notice of application	PA	33:V.703.A	Upon acceptance of an application for review, the administrative authority will publish a notice in a bulletin and as an ad in a local newspaper regarding the availability of the permit application for review and comment.
Public notice of permit denial	PA	33:V.713.A.1 33:V.715.A	The administrative authority shall give public notice that a permit application has been tentatively denied under LAC 33:V.703.C.2. The notice shall allow at least 45 days for public comment.
Public notice of draft permit	PDP	33:V.713.A.2 33:V.715.A	The administrative authority shall give public notice that a draft permit has been prepared under LAC 33:V.703.C.3. The notice shall allow at least 45 days for public comment.
Public notice of hearing	PDP	33:V.713.A.3 33:V.715.B	The administrative authority shall give public notice that a hearing has been scheduled under LAC 33:V.711.A. The notice shall be given at least 45 days before the hearing.

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Methods of public notice	PA PDP	33:V.717	<p>Public notice given by the administrative authority for activities under LAC 33:V.713.A shall be given by:</p> <p>A. Mailing a copy of the notice to:</p> <ul style="list-style-type: none"> - the applicant - any unit of local government having jurisdiction over the area where the facility is proposed to be located - each State agency having any authority under State law with respect to the construction or operation of a facility - any other agency required to issue a permit for the same facility - federal and state agencies with jurisdiction over fish, shellfish, and wildlife resources and over coastal zone management plans, the Advisory Council on Historic Preservation, state historic preservation offices, and affected states (Indian tribes) - persons on a mailing list (including requesters, participants in past permit proceedings, subscribers to a bulletin issued periodically by the administrative authority) <p>B. For standard permits or major modifications, publication of a notice in a daily or weekly major local newspaper of general circulation within the area affected by the facility and broadcast over local radio stations.</p> <p>C. Any other method reasonably calculated to give actual notice of the action in question to the persons potentially affected by it, including press releases or any other forum or medium to elicit public participation.</p>

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General contents for public notice	PA PDP	33:V.719.A	All public notices shall contain, at a minimum: <ul style="list-style-type: none"> - name and address of the office processing the permit; - name and address of the permittee or permit applicant; - brief description of the business described in the permit application or the draft permit; - name, address and phone number of person to contact for additional information; - brief description of the comment procedures required; - the time and place of any hearing that will be held, including a statement of procedures to request a hearing (unless a hearing is already scheduled); and - other procedures by which the public may participate in the final permit decision.
Additional contents for public notice under 33:V.709 (evidentiary hearing)	PDP	33:V.719.B	The public notice of an evidentiary hearing shall also contain: <ul style="list-style-type: none"> - a reference to the date of previous public notices; - date, time and place of the hearing; and - a brief description of the nature and purpose of the hearing, including applicable rules and procedures.
PUBLIC HEARINGS			
Submitting public comment and requesting hearing	PA PDP	33:V.707.A	<p>! During the public comment period under 33:V.715, any interested person may submit written comments on the draft permit or permit application and may request a public hearing, if no hearing has already been scheduled.</p> <p>! The request must be in writing and shall state the nature of the issues proposed to be raised in the hearing.</p> <p>! All comments shall be considered in making the final decision and shall be answered, as provided in 33:V.707.B. (i.e., the administrative authority shall issue a response to comments and make the comments available to the public).</p>
Public hearing required upon request	PDP	33:V.711.A.1.	The administrative authority shall hold a public hearing whenever written notice of opposition to a draft permit and a request for a hearing are received within 45 days of the public hearing notice.

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Petition by public	PDP	33:V.707.C	Within 30 days after a final permit decision under 33:V.705, any person who filed comments on the draft permit or participated in the public hearing may petition the administrative authority to review any condition of the permit decision.
EVIDENTIARY HEARINGS			
Applicability / Commercial hazardous waste facilities and recyclers	PA	33:V.709.A &	Evidentiary hearings shall be conducted for all permit applications for commercial hazardous waste treatment, storage and/or disposal facilities and commercial recyclers after technical review of the application but prior to deciding to prepare a draft permit for public comment. Hearing shall be conducted in accordance with the Louisiana Administrative Procedure Act (R.S. 49:950 <i>et seq.</i>), as referenced in LAC 33:I.Subpart 1.
Public interest	PA	33:V.709.A & 33:V.709.B	<p>! Any person possessing a real interest that might be adversely affected by action of the administrative authority may petition the administrative authority, in writing, to hold an adjudicative hearing.</p> <p>! The administrative authority shall accept or deny the petition, in writing, giving reasons for the decision, prior to taking the action for which a complaint has been made.</p> <p>! Hearing shall be conducted in accordance with the Louisiana Administrative Procedure Act (R.S. 49:950 <i>et seq.</i>), as referenced in LAC 33:I.Subpart 1.</p>

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ADJUDICATORY HEARINGS			
Appeals			
Any person aggrieved by a final decision of the secretary may appeal	PDP	<i>[30:2024B]</i>	Any person aggrieved by a final decision of the secretary may appeal to the Court of Appeal, First Circuit, if a motion for an appeal is filed with the secretary within 30 days after the final decision or order is served upon the respondent.

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SITING RESTRICTIONS AND PROHIBITIONS			
Federal siting restrictions and prohibitions can be viewed at http://www.epa.gov/epacfr40/chapt-I.info/subch-I/ by selecting “Part 264 (Updated 1997) - Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities”. The regulatory requirements are in Location Standards at 264.18 in the document. (State regulations cannot be less stringent than the federal counterparts.)			
SOIL AND WATER			
Site geology	PA	"IT Decision" Questions, p. 51	As part of the assessment to determine whether alternative sites would offer more protection to the environment than the proposed site, the permittee is required to study the geology of the chosen site.
Topographic Relief	PA	33:V.1503.A.1.	The site should not have any abrupt topographic changes, or, means should be provided to guard against slides, slumping, or erosion.
	PA	"IT Decision" Questions, p. 51	As part of the assessment to determine whether alternative sites would offer more protection to the environment than the proposed site, the permittee is required to study the topography of the chosen site.
Soils	PA	33:V.1503.A.2	The area should be covered with natural stable soils of low permeability or a means should be provided, acceptable to administrative authority , which provide a barrier to penetration of surface spills or accumulations of hazardous waste into a subsurface strata which would have a potential effect on a fresh-water aquifer.
	PA	"IT Decision" Questions, p. 51	As part of the assessment to determine whether alternative sites would offer more protection to the environment than the proposed site, the permittee is required to study the soil properties of the chosen site.
Subsidence problems	PA	"IT Decision" Questions, p. 51	As part of the assessment to determine whether alternative sites would offer more protection to the environment than the proposed site, the permittee is required to study the subsidence problems of the chosen site.

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Hydrology	PA	"IT Decision" Questions, p. 51	As part of the assessment to determine whether alternative sites would offer more protection to the environment than the proposed site, the permittee is required to study the hydrology of the chosen site.
Protection of adjoining land and from subsurface and surface waters	PA	33:V.1503.B.1.	Sites utilized shall be isolated by means of natural or created boundaries from adjoining land and from subsurface and surface waters.
Groundwater protection	PA	"IT Decision" Questions, p. 50	As part of the assessment to determine whether alternative sites would offer more protection to the environment than the proposed site, the permittee is required to study whether groundwater is protected, by determining: <ul style="list-style-type: none"> - whether water in underlying aquifers or recharge areas is used for drinking water, - relationship of the site to the water table, - the existence of wells in the area, - the flow rate and direction of the groundwater flow, - groundwater quality in the underlying aquifer, and - whether there is a hydraulic connection between the aquifers.
Aquifer location	PA	"IT Decision" Questions, pp. 50 & 51	As part of the assessment to determine whether alternative sites would offer more protection to the environment than the proposed site, the permittee is required to investigate the aquifer location relative to the chosen site.
SEISMIC CONSIDERATIONS			
Restrictions for portions of new facilities	PA	33:V.1503.A.3.	Portions of new facilities where treatment, storage, or disposal of hazardous waste will be conducted must not be located within 61 meters (200 feet) of a fault which has had displacement in Holocene time. (Same as Federal)
FLOODING AND EROSION			
Protection from drainage	PA	33:V.1503.B.2.	The site must have the capability to control and/or contain run-off from maximum rainfall in 24 hours from a 25-year storm and must have the capability to divert run-on from adjoining land from such a storm from the site (surface and subsurface)

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Requirements for locating in floodplains	PA	33:V:1503.B.3	A facility located in a 100-year floodplain must be designed, constructed, operated and maintained to prevent washout of any hazardous waste by a 100-year flood, unless the owner or operator can demonstrate to the administrative authority that procedures are in effect which will cause the waste to be removed safely, before flood waters can reach the facility, to a location where the wastes will be not be vulnerable to floodwaters. (Same as Federal)
Protection for hurricane-prone-areas	PA	33:V.1503.B.4	Sites located in an area which is historically subject to hurricanes shall be protected from the entry of water by natural or created barriers certified by a professional engineer.
Alternate site assessment: susceptibility to flooding	PA	"IT Decision" Questions, p. 50	As part of the assessment to determine whether alternative sites would offer more protection to the environment than the proposed site, the permittee is required to consider the susceptibility of the site to flooding. The permittee is required to use specific information to determine: <ul style="list-style-type: none"> - is the site located in flood plain? - is the site vulnerable to hurricanes?

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AIR			
Alternate site assessment: protection of air quality	PA	"IT Decision" Questions, p. 51	As part of the assessment to determine whether alternative sites would offer more protection to the environment than the proposed site, the permittee is required to determine whether air quality is protected by considering these factors: <ul style="list-style-type: none"> - location of site within an ozone or non-attainment area, - contaminants likely to be generated at the site, - protection afforded from each contaminant generated at the site, - the potential for unregulated emissions, - plans to provide for odor control, - who will be affected by emissions (direction of prevailing winds and expected frequency of "bad air" conditions), and - the control of vapors at various stages of the process.
DISTANCE LIMITATIONS/BUFFER ZONES			
General buffer zone requirement	PA	33:V.1503.C.3.a	Sites shall be shielded from adjoining non-compatible land uses by space, natural separation, or other means acceptable to the administrative authority.
Buffer zone requirement for sites zoned industrially	PA	33:V.1503.C.3.b.ii	For sites zoned industrially , sufficient space for security drainage control facilities.
Buffer zone requirement for all other locations	PA	33:V.1503.C.3.b.ii	For all other locations , 200 feet between any facility (treatment pond, incinerator, tank, etc.) and property line, unless a proper buffer is installed which is acceptable to the administrative authority.

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OTHER HUMAN HEALTH CONSIDERATIONS			
Potential and real adverse environmental effects on local residents	PA	"IT Decision" Questions, pp. 44-45	As part of the assessment of potential and real adverse impacts of the proposed facility, the permittee is required to assess: ! Potential pathways by which hazardous material release can endanger local residents (e.g., air, water, soil, food) ! Likelihood or risk potential of such releases
Alternate site assessment: potential health risks	PA	"IT Decision" Questions, p. 51	As part of the assessment to determine whether alternative sites would offer more protection to the environment than the proposed site, the permittee is required to determine the potential health risks posed by the prospective site as defined by proximity to: - prime agricultural area (crop or pasture land), - residential areas, - schools or day care centers, - hospitals or prisons, - public buildings or entertainment areas, - food storage areas, and - existing community health problems that may be aggravated by operation of additional hazardous waste disposal capacity.
ENVIRONMENTALLY SENSITIVE AREAS			
Wetlands	PA	"IT Decision" Questions, p. 49	As part of the assessment to determine whether alternative sites would offer more protection to the environment than the proposed site, the permittee is required to determine the proximity of the chosen site to environmentally sensitive areas, including wetlands.
Critical habitats	PA	33:V.1503.B.6	Sites located in, or adjacent to, swamps, marshes, floodplains, estuaries, designated wildlife hatchery areas, habitats of endangered species, and similar critical environmental areas shall be isolated from such areas by effective barriers which eliminate possible adverse impacts on such areas due to operation of the facility.

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	PA	"IT Decision" Questions, p. 49	As part of the assessment to determine whether alternative sites would offer more protection to the environment than the proposed site, the permittee is required to determine the proximity of the chosen site to environmentally sensitive areas, including critical habitats.
Endangered species	PA	33:V.1503.B.6	See "Critical Habitats".
Potential and real adverse environmental effects on living organisms, in addition to local residents	PA	"IT Decision" Questions, p. 45	As part of the assessment of potential and real adverse impacts of the proposed facility, the permittee is required to assess: ! Potential pathways by which hazardous materials released can endanger living organisms other than local residents (air, water, soil, food). ! Likelihood or risk potential of such releases.
Proximity of the site to environmentally sensitive areas	PA	"IT Decision" Questions, p. 49	As part of the assessment to determine whether alternative sites would offer more protection to the environment than the proposed site, the permittee is required to determine the proximity of the chosen site to environmentally sensitive areas, including: - estuaries, - historic or culturally significant areas, - Indian mounds, - antebellum houses, - tourist attractions or facilities (e.g., bed and breakfast inns), and - campgrounds or parks.
OTHER RESTRICTIONS			
Salt dome formations, salt bed formation, underground mine or cave	PA	[30:2202.D] 33:V.1503.B.7	The placement of any noncontainerized or bulk liquid hazardous waste in any salt dome formation, salt bed formation, underground mine or cave is prohibited.
Transportation	PA	33:V.1503.C.1	Access to sites by surface and water transportation modes shall be by roads and waterways with the capacity to accept demands created by the facility and designed to avoid, to the extent practical, congestion, sharp turn, obstructions, or other hazards which are conducive to accidents.

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Louisiana Hazardous Waste Facility Siting Provisions

Topic	Stage ¹	State citation ²	Provision
Services	PA	33:V.1503.C.2	Sites shall have convenient access to required services, including: utilities, medical care, police, fire protection, and similar services, or provide these services internally in a manner acceptable to the administrative authority.
Climatic conditions	PA	"IT Decision" Questions, p. 51	As part of the assessment to determine whether alternative sites would offer more protection to the environment than the proposed site, the permittee is required to consider the climatic conditions of the proposed site.

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Louisiana Hazardous Waste Facility Siting Provisions

Topic	Stage ¹	State citation ²	Provision
ENVIRONMENTAL JUSTICE CONSIDERATIONS			
Adjudicatory hearings for environmental equity and justice issues	PA	33.V.709.A & 33.V.709.A.2	Adjudicatory or adjudicative hearings shall be conducted in instances where the administrative authority determines that equity and justice requires adjudication. (Hearings shall be conducted in accordance with the Louisiana Administrative Procedure Act (R.S. 49:950 <i>et seq.</i>), as referenced in LAC 33:I.Subpart 1.
Environmental justice initiatives		Environmental justice initiatives along Louisiana's Mississippi River Corridor	This document provides background information about the history of environmental justice and describes a pilot program for the creation of an Environmental Justice (EJ) Program in Louisiana. According to Janice Dickerson of LDEQ, this program is firmly established in the State. The "IT Decision" forms the basis for ensuring that environmental justice issues are part of the hazardous waste siting decisions and the permitting process. The key to the EJ program is to work directly with the people and involve community people in the activities and decisions that affect their lives.
Recommended Actions		Final report to the Louisiana Legislature on Environmental Justice	This document describes the results of four public hearings conducted throughout the State to solicit information and comments from citizens on the issue of environmental justice. Based on the hearings, LDEQ formulated specific recommendations regarding legislation, funding requests and reporting requirements. Specific legislation recommendations that have implications for hazardous waste siting decisions: <ul style="list-style-type: none"> - codify the "IT" decision and require that LDEQ establish a broad-based committee to draft regulations implementing the mandates of the decision, beginning with consideration of criteria for siting facilities. - strengthen land use planning requirements in the State, taking into consideration Environmental Justice concerns.

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Louisiana Hazardous Waste Facility Siting Provisions

Topic	Stage ¹	State citation ²	Provision
ECONOMIC CRITERIA			
Cost-benefit analysis of environmental impact costs versus social and economic benefits	PA	"IT Decision" Questions, p. 46	The permittee is required to perform a cost-benefit analysis, or at least a quantitative indication of the economic benefits and a qualitative description of the negative impacts expected from the proposed facility. Specific items to be addressed include:
Cost-benefit analysis: need assessment	PA	"IT Decision" Questions, p. 46	! Basis for the facility need assessment: <ul style="list-style-type: none"> - local or regional survey, - on-site versus off-site needs, - regional solid waste management benefit, - generic survey of solid waste needs (compatibility with master plan).
Cost-benefit analysis: positive economic effects	PA	"IT Decision" Questions, p. 46	! Assessment of the positive economic effects on the local community: <ul style="list-style-type: none"> - number of permanent jobs to be created, - expected annual payroll, - expected economic multiplier based on expected annual payroll, - expected tax base and who will receive benefits.
Cost-benefit analysis: potential negative economic effects	PA	"IT Decision" Questions, p. 46	! Assessment of the potential negative economic effects on the local community: <ul style="list-style-type: none"> - possible effects on property values; - rise in public costs for police and fire protection, medical facilities, schools and roads; - the potential of the prospective site for precluding economic development because of risk associated with establishing businesses or industries adjacent to the proposed facility.
Cost-benefit analysis: transportation impacts	PA	"IT Decision" Questions, p. 47	! The role of transportation in choosing the proposed site: <ul style="list-style-type: none"> - mode of transportation (truck, rail, barge, other); - geographic area to be served; - increase in local traffic volume (whether local roads can handle traffic volume and the weight of trucks).

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Louisiana Hazardous Waste Facility Siting Provisions

Topic	Stage ¹	State citation ²	Provision
Cost-benefit analysis: long-term expectation of the proposed site	PA	"IT Decision" Questions, p. 47	<p>! Long-term expectation of the proposed site:</p> <ul style="list-style-type: none"> - longevity of the facility, - facility owner, - other financial backers, - anticipated date of closure, - person responsibility for the site after closure, - assurances that the site will be closed in accordance with the plan, - financial assurance to demonstrate ability to handle problems after closure, - person who certifies that site will be properly closed, and - how people who unwittingly buy the land after closure will be protected (record of closed facility in deed, possible future uses of land).

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Louisiana Hazardous Waste Facility Siting Provisions

Topic	Stage ¹	State citation ²	Provision
OTHER CRITERIA			
Assessment of the possibility of an alternative site	PA	"IT Decision" Questions, pp. 49-51	<p>The permittee is required to assess whether alternative sites would offer more protection to the environment than the proposed site without unduly curtailing nonenvironmental benefits. Specific issues to be addressed include:</p> <ul style="list-style-type: none"> ! Reasons for choosing proposed site: <ul style="list-style-type: none"> - specific advantages of the proposed site - other sites considered and rejected - irrevocability of the location of the proposed site (i.e., would denial of permit based on site preclude the project?) ! Proximity of the chosen site to environmentally sensitive areas ! Zoning and existing land use of the prospective site and nearby area ! Susceptibility of site to floods ! Groundwater protection ! Potential health risks posed by the prospective site as defined by proximity to specific facilities and populations ! Protection of air quality ! The site's geotechnical characteristics

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